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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lorenzo Ciacci et al.

Group Art Unit: 3676

Serial No.: 10/604,346

Examiner: Mark A. Williams

Confirmation No.: 1345

Atty. Docket No.: 12693.0022.00US00

Filed: July 14, 2003

Title: HINGE DEVICE FOR A ROTARY
MEMBER OF AN AIRCRAFT
ENGINE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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EV318621476US

NUMBER

DATE OF DEPOSIT

Sept. 21, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Barli Sofia
Signature

In compliance with the duty of disclosure and candor 37 C.F.R. § 1.56 (a), the undersigned representative submits with this paper patents, patent applications, publications, and other materials and information that may be material to the examination of the above noted patent application.

The Examiner's attention is specifically directed to the material that has been listed on enclosed Form PTO-1449 of which there is 1 page. A copy of each listed item is also enclosed. Inasmuch as an English abstract of FR 1 053 647 was not available, the undersigned representative has personally prepared what he believes to be a correct translation of the claims



Serial No.: 10/604,346
Confirmation No.: 1345
Applicant: Lorenzo Ciacchi et al.
Atty. Ref.: 12693.0022.00US00

of that reference. However, the undersigned representative is not a professional translator and therefore makes no representation that his translation is in fact entirely accurate.

The undersigned representative requests that the Examiner consider the items identified on the enclosed Form PTO-1449 and that an initialed copy of the same be entered into the application file wrapper and returned to the undersigned representative with the next communication from the Office.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search of the prior art has been made, or an admission that the information cited is or is considered to be, material to the patentability, or that no other material information exists. The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. [37 C.F.R. § 1.97(g)]

The submission of this Information Disclosure Statement is believed to be within three months of the filing date of the application or the date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)].

The undersigned representative authorizes the Commissioner to charge any additional fees under 37 C.F.R. § 1.16 or 1.17 that may be required, or credit any overpayment, to Deposit Account No. 01-2508, referencing Order No. 12693.0022.00US00.

The Examiner is invited to directly contact the undersigned representative by telephone to discuss any issues or questions presented by this paper.

Respectfully submitted,

Ira D. Finkelstein

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Tel. 713-787-1631

Date: September 21, 2001

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
12693.0027.00US00Serial No.
10/822,100Applicant
Giovanni Prodi et al.Filing Date:
April 10, 2004Group:
3747U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2,651,496	09/08/1953	Buckland et al.	253	78	10/10/1951
	A2	3,652,177	03/28/1972	Loebel	415	110	05/19/1970
	A3	4,861,228	08/28/1989	Todman	415	115	08/16/1988
	A4						
	A5						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	DE 4 213 678	10/28/1993	Germany	F01D	25/12	Abstract
	B2	FR 1 053 647	02/03/1954	France			Claims only
	B3	EP 1 256 697 A2	11/13/2002	EPO	F01D	17/16	N/A
	B4						
	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	European Search Report for EP 03 01 6086 (July 26, 2004)
	C2	
	C3	
	C4	

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Translation of Claims of FR 1,053,647

SUMMARY

1. A device for variation of pressure of engines with a gas turbine and an expansion nozzle placed following this turbine, in which the distributor preceding the turbine comprises a ring of vanes with variable orientation and means permitting this orientation to be modified during operation, the aforementioned vanes being arranged such that a variation of their orientation determines a variation of the cross-section offered between them to gases.
2. Modes of realization presenting the following characteristics, taken separately or according to the various possible combinations:
 - A. In addition to the ring of directional vanes that precedes the turbine, the distributor comprises a ring of fixed vanes placed upstream of the ring of directional vanes, the fixed vanes and the directional vanes thus carrying out the expansion and the deflection of gases by successive fractions, before admission into the turbine;
 - B. The directional vanes each comprise two opposite pivots provided with bearings;
 - C. The bearings are cooled by air circulation;
 - D. The directional vanes are each taken between two opposed circular plates engaging in the cavities in the same form as the gas conduit, so as to avoid any projection on the surface of this conduit.
3. Engines provided with the device according to 1 or 2.